

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(Not for submission under 37 CFR 1.99)*

Application Number	10623802
Filing Date	2003-07-22
First Named Inventor	M. Barnardo
Art Unit	1641
Examiner Name	Gary W. Counts
Attorney Docket Number	1181-282

U.S. PATENTS						<input type="button" value="Remove"/>
Examiner Initial*	Cite No	Patent Number	Kind Code†	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
1	4810632		B1	1989-03-07	McMillan	Entire Document
2	5110726		B1	1992-05-05	Odgen	Entire Document
3	5180661		B1	1991-01-19	Brubaker	Entire Document
4	5270169		B1	1993-12-14	Chang	Entire Document
5	5292641		B1	1991-12-13	Pouletty	Entire Document

If you wish to add additional U.S. Patent citation information please click the Add button.

**U.S. PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code†	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
1						

If you wish to add additional U.S. Published Application citation information please click the Add button.

**FOREIGN PATENT DOCUMENTS**

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10623802
Filing Date	2003-07-22
First Named Inventor	M. Barnardo
Art Unit	1641
Examiner Name	Gary W. Counts
Attorney Docket Number	1181-282

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> <sup>j</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	ALTMAN, et al. Formation of functional peptide complexes of class II major histocompatibility complex proteins from subunits produced in Escherichia coli. PNAS USA 90: 10330-10334 (Nov. 1, 1993)	<input type="checkbox"/>
	2	AUSTIN, et al. Functional expression of HLA-DP genes transfected into mouse fibroblasts. Nature 313(5997): 61-64 (1985)	<input type="checkbox"/>
	3	CLAESSON-WELSH, et al. Implications of the invariant gamma-chain on the intracellular transport of class II histocompatibility antigens. J. Immunol. 135(5): 3551-3557 (1985)	<input type="checkbox"/>
	4	GAUTHIER, et al. Expression and crystallization of the complex of HLA-DR2 (DRA, DRB1*1501) and an immunodominant peptide of human myelin basic protein. PNAS 95(20): 11828-11833 (Sept. 29, 1998)	<input type="checkbox"/>
	5	KOPPELMAN, et al. Rapid nonlysosomal degradation of assembled HLA class II glycoproteins incorporating a mutant DR alpha-chain. J. Immunol. 145 (8): 2730-2736 (1990)	<input type="checkbox"/>
	6	KVIST, et al. Membrane insertion and oligomeric assembly of HLA-DR histocompatibility antigens. Cell, Vol 29, 61-69, May 1982	<input type="checkbox"/>
	7	LAWRENCE, et al. The genomic organisation and nucleotide sequence of the HLA-SB(DP) alpha gene. Nucleic Acids Res. 13 (20): 7515-7528 (1985)	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10623802
Filing Date	2003-07-22
First Named Inventor	M. Barnardo
Art Unit	1641
Examiner Name	Gary W. Counts
Attorney Docket Number	1181-282

8	LONG, et al. Isolation of cDNA clones for the p33 invariant chain associated with HLA-DR antigens. Proc Natl Acad Sci. USA. 80(18). 5714-5718 (1983) <input type="checkbox"/>
9	MARSH, et al. HLA class II nucleotide sequences, 1992. Tissue Antigens 40 (5), 229-243 (1992) <input type="checkbox"/>
10	MILLER, et al. Efficient cell surface expression of class II MHC molecules in the absence of associated invariant chain. J. Exp. Med. 164: 1478-1489 (1986) <input type="checkbox"/>
11	SCHAIFF, et al. HLA-DR associates with specific stress proteins and is retained in the endoplasmic reticulum in invariant chain negative cells. J. Exp. Med. 176 (3), 657-666 (1982) <input type="checkbox"/>
12	STERN, et al. The human class II MHC protein HLA-DR1 assembles as empty $\alpha\beta$ heterodimers in the absence of antigenic peptide. Cell 68: 465-477 (1992) <input type="checkbox"/>
13	TAN, et al. A novel, highly efficient peptide-HLA class I binding assay using unfolded heavy chain molecules: identification of HIV-1 derived peptides that bind to HLA-A*0201 and HLA-A*0301. J. Immunol. Meth. 205: 201-209 (1997) <input type="checkbox"/>
14	WAKE, et al. Isolation of cDNA clones encoding HLA-DR alpha chains. Proc. Natl. Acad. Sci. USA, 79(22): 6979-6983 (1982) <input type="checkbox"/>
15	WETTSTEIN, et al. Expression of a Class II Major Histocompatibility Complex (MHC) Heterodimer in a Lipid-linked Form with Enhanced Peptide/Soluble MHC Complex Formation at Low pH. J. Exp. Med. 174: 219-228 (1991) <input type="checkbox"/>
16	YOUNG, et al. Epitope recognition by a DP alpha chain-specific monoclonal antibody (DP11.1) is influenced by the interaction between the DP alpha chain and its polymorphic DP beta chain partner. Hum. Immunol. 23(1): 37-44 (1988) <input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10623802
Filing Date	2003-07-22
First Named Inventor	M. Barnardo
Art Unit	1641
Examiner Name	Gary W. Counts
Attorney Docket Number	1181-282

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.